

### Abstract Of The Disclosure

A distance sensor having a sensor for a motor vehicle in which an arrangement is provided by which gnment angles and trajectory curvatures can be compensated for during travel not only on a straight road but also along curves. In a sensor mounted displaced from the center line of the vehicle, an angle ( $\alpha_{\text{sensor}}$ ) is measured which cuts the projected center line of the motor vehicle at the target object, a vehicle driving ahead. By the additional use of a yaw rate sensor, curve curvatures of the road are also compensated for, so that angle and distance measurement can also be made along curves.

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